88888888888 888888888888 888888888888	В	AAAAAAA AAAAAAA AAAAAAA	4	\$	RRRR	RRRRRRR RRRRRRR RRRRRRRR		
888	BBB	ÄÄÄ	AAA	\$\$\$ \$\$\$	RRR	RRR RRR		LLL
888	888	AAA	AAA	SSS	RRR	RRR	ΪΪΪ	
888	888	ÄÄÄ	AAA	SSS	RRR	RRR	İİİ	
BB B	888	AAA	AAA	ŠŠŠ	RRR	RRR	ήήή	LLL
888	BBB	AAA	AAA	SSS	RRR	RRR	ŤŤŤ	iii
8888888888	В	AAA	AAA	SSSSSSSS		RRRRRRR	ŤŤŤ	ili
8888888888		AAA	AAA	ŠŠŠŠŠŠŠŠŠ		RRRRRRR	ŤŤŤ	iii
8888888888		AAA	AAA	SSSSSSSS		RRRRRRR	TTT	ΙΙΙ
BBB	888			\$\$\$	RRR	RRR	TTT	LLL
888	888	*********		ŞŞŞ	RRR	RRR	ŢŢŢ	LLL
888	BBB			SSS	RRR	RRR	ŢŢŢ	LLL
88 8	BBB	AAA	AAA	SSS	RRR	RRR	III	řřř
888	888	AAA	AAA	SSS	RRR	RRR	ŢŢŢ	iřř
888	BBB	AAA	AAA	222	RRR	RRR	ŢŢŢ	LLL
88888888888888888888888888888888888888		AAA	AAA	\$\$\$\$\$\$\$\$\$\$\$\$\$	RRR	RRR	ŢŢŢ	rrrrrrrrrrr
BBBBBBBBBBB		AAA	AAA	\$\$\$\$\$\$\$\$\$\$\$\$\$	RRR	RRR	!!!	
00000000000	D	AAA	AAA	SSSSSSSSSS	RRR	RRR	TTT	

88888888 88 88 88 88 88 88 88 88 88 88 88 88 888888	AAAAAA AA AA AA AA	\$	GGGGGGGG GGGGGGGG GG GG GG GG GG GG GG		RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	AA AA AA AA AAAAAAA AA AA	•••
LL LL LL		\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$						

Page (1)

```
0001
                  0003
0003
                  0004 1 BEGIN
                  0005
                  0006
                  0007
                  0008
                  0009
111111111112222222222333333333333333
                  0010
                  0011
                  0012
                  0014
                  0015
                  0016
                  0017
                  0018
                  0019
                  0020
                  0021
                  ŎŎŽŽ
                  0024
                  0026
0027
                  0028
0029
0030
0031
0032
0033
0035
0036
0037
                  0039
40
                  0040
                  0041
0042
0043
41
42
44
                  0044
                  0045
46
                  0046
                  0047
48
                  0048
49
                  0049
50
                  0050
```

```
O MODULE BASSGETRFA (
                                                   ! Get RFA from RAB
! File: BASGETRFA.B32 Edit: KC1004
                      IDENT = '1-004'
                      ) =
```

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! FACILITY: Basic Language Support

ABSTRACT:

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1!--

BASSGETRFA will fetch the RFA stored in the RAB.

ENVIRONMENT: Runs at any access mode - AST reentrant

AUTHOR: Pamela Levesque, CREATION DATE: 2-Jun-1982

MODIFIED BY:

1-001 - Original. PLL 02-Jun-1982 1-002 - Make routine global. PLL 3-Jun-1982 1-003 - RFA is passed by ref. Also, give an error if there is no rfa. PLL 4-Jun-1982

1-004 - Set up ISB\$A_USER FP so the unwind in the error handler works properly. Kt 12-Jun-1984.

```
F 16
16-Sep-1984 00:34:55 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 11:55:04 [BASRTL.SRC]BASGETRFA.B32;1
BASSGETRFA
1-004
                                                                                                                                          Page 2 (2)
                 Declarations
                 0051 1 %SBTTL 'Declarations' 0052 1 ! 0053 1 ! SWITCHES:
   SWITCHES ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
                            LINKAGES:
                                   NONE
                           ! TABLE OF CONTENTS:
                  0064
                 0065
                          FORWARD ROUTINE
BAS$GETRFA : NOVALUE;
                                                                                         ! Get RFA from RAB
                          INCLUDE FILES:
                          LIBRARY 'RTLSTARLE';
                                                                               ! System symbols, typically from SYS$LIBRARY:STARLET.L32
                          REQUIRE 'RTLIN:RTLPSECT';
                                                                               ! Define PSECT declarations macros
                          REQUIRE 'RTLML:OTSISB';
                          REQUIRE 'RTLML:OTSLUB';
                          REQUIRE 'RTLIN:OTSLNK';
                            MACROS:
                                   NONE
                            EQUATED SYMBOLS:
                                   NONE
                            FIELDS:
                                   NONE
                            PSECTS:
                          DECLARE_PSECTS (BAS);
                                                                             ! Declare PSECTs for BAS$ facility
                            OWN STORAGE:
                                   NONE
                            EXTERNAL REFERENCES:
                          EXTERNAL ROUTINE
BAS$$STOP_IO: NOVALUE, ! Signal fatal I/O error
```

BASSGETRFA 1-004	Declarations	G 16 16-Sep 14-Sep	0-1984 00:34:55 0-1984 11:55:04	VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BASGETRFA.B32;1	Page 3 (2)
109 110 111 112 113 114 115	0938 1 0939 1 EXTERNA 0940 1 0941 1	BAS\$\$CB_PUSH : JSB_CB_PUSH NOVALUE, BAS\$\$CB_POP : JSB_CB_POP NOVALUE; L LITERAL BAS\$K_NO_CURREC : UNSIGNED (8), BAS\$K_ILCILLACC : UNSIGNED (8), BAS\$K_ICCHANOT : UNSIGNED (8);	Load register Done with ref Condition va No current re Illegal or it	lue symbols ecord llogical access	

Page

(3)

```
I 16
BASSGETRFA
                                                                               16-Sep-1984 00:34:55
                                                                                                            VAX-11 Bliss-32 V4.0-742 LBASRTL.SRCJBASGETRFA.B32;1
                                                                                                                                                         Page
                   BASSGETRFA - Get RFA from RAB
1-004
                                                                              14-Sep-1984 11:55:04
                                                                                                                                                               (3)
                   1001
   176
177
                   1002
                               Load the CCB with the user's FP so that an unwind in the
                               error handler works properly.
   178
179
                   1004
                   1005
                                  CCB [ISB$A_USER_FP] = .FMP [SF$L_SAVE_FP];
   180
                   1006
   181
182
183
184
185
                   1007
                               If the channel is not open, give an error. There's no RFA for
                   1008
                               channel O.
                   1009
                   1010
                                  IF (NOT .CCB [LUB$V_OPENED]) THEN BAS$$STOP_IO (BAS$K_IO_CHANOT);
                   1011
   186
187
                   1012
                               No RFA for virtual files.
   188
                   1014
   189
                   1015
                                  IF .CCB [LUB$V_VA_USE] THEN BAS$$STOP_10 (BAS$K_ILLILLACC);
   190
                   1016
                   1017
   192
193
                   1018
                               Return the RFA.
                   1019
                   1020
1021
1022
1023
   194
                                  IF .CCB [RAB$L_RFA0] NEQ 0
   195
   196
197
                                       CH$MOVE (6, CCB [RAB$W_RFA], .RFA)
                                  ELSE
                   1024
   198
   199
                                       BAS$$STOP_IO (BAS$K_NO_CURREC)
                   1026
1027
1028
   200
201
202
203
204
205
206
                                       END:
                               Pop the CCB off the I/O system.
                   1029
                   1030
                                  BAS$$(B_POP ();
                   1031
                   1032
                                  END:
                                                                                        ! End of routine BAS$GETRFA
                                                                                           .TITLE
                                                                                                     BASSGETRFA
                                                                                           .IDENT
                                                                                                     11-004
                                                                                                     BAS$$STOP_IO, BAS$$CB_PUSH
BAS$$CB_POP, BAS$K_NO_CURREC
                                                                                           .EXTRN
                                                                                           .EXTRN
                                                                                                     BAS$K_IELILLACC
                                                                                           .EXTRN
                                                                                                     BAS$K_IO_CHANOT
                                                                                           .EXTRN
                                                                                           .PSECT
                                                                                                     _BAS$CODE,NOWRT, SHR, PIC,2
                                                                                                     BAS$GETRFA, Save R2,R3,R4,R5,R6,R11
BAS$$STOP_IO, R6
                                                                                                                                                              0945
                                                                   087C 00000
                                                                                            ENTRY
                                                                 00
50
08
                                                56
53
50
52
                                                   0000000G
                                                                      9E
                                                                         00002
                                                                                           MOVAB
                                                                      DŌ
                                                                          00009
                                                                                                                                                              0995
                                                                                           MOVL
                                                                                                     FP, FMP
                                                                                                                                                              0999
                                                                                                     #8, RO
                                                                      CE
                                                                          00000
                                                                                           MNEGL
                                                                 AC 000
A3
AB
8F
                                                   000000006
                                                                      DÖ
16
                                                                                                     UNIT, R2
BAS$$CB_PUSH
                                                                         0000F
                                                                                           MOVL
                                                                         00013
                                                                                           JSB
                                                                     DO
E8
9A
                                       FF4C
                                                           00
                                                                         00019
                                                                                                                                                              1005
                                                CB
07
7E
66
07
7E
                                                                                           MOVL
                                                                                                     12(FMP)_{**} - 180(CCB)_{**}
                                                                                                     -4(CCB), 1$
#BAS$K_IO_CHANOT, -(SP)
                                                                         0001F
                                                                                                                                                              1010
                                                                                           BLBS
                                                           00G
                                                                         00023
                                                                                           MOVZBL
                                                                 Ŏ1
                                                                      FB
                                                                         00027
                                                                                                         BAS$$510P_10
                                                                                           CALLS
                                                                      E 9
                                                                 AB
8F
01
                                                                                                                                                              1015
                                                                          0002A 15:
                                                                                                     -1(CCB), 2$ "MBAS$K_ILLILLACC, -(SP)
                                                                                           BLBC
                                                           00G
                                                                         0002E
                                                                                           MOVZBL
                                                                      FB
                                                                         00032
                                                                                                     #1, BA5$$STOP_IO
                                                                                           CALLS
```

BASSGETRFA 1-004	BAS\$GET	RFA -	Get RFA	from	RAB		10	J 16 5-Sep-1 4-Sep-1	984 00:34 984 11:55	:55	VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BASGETRFA.B32;1	Page 6 (3)
	08	ВС	10	AB 7E 66	10 00G 0000000G	AB 08 06 07 8F 01 00	D5 00035 13 00038 28 0003A 11 00040 9A 00042 FB 00046 16 00049 04 0004F	3\$:	TSTL BEQL MOVC3 BRB MOVZBL CALLS JSB RET	4\$ #BAS\$	CB) 16(CCB), @RFA 5K_NO_CURREC, -(SP) 8AS\$\$STOP_IO 6CB_POP	1020 1022 1025 1030 1032

; Routine Size: 80 bytes, Routine Base: _BAS\$CODE + 0000

; 207 1033 1 !<BLF/PAGE>

K 16 BASSGETRFA 1-004 16-Sep-1984 00:34:55 14-Sep-1984 11:55:04 VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BASGETRFA.B32;1 Page 7 (4) BASSGETRFA - Get RFA from RAB 1034 1 END 1035 1 1036 0 ELUDOM ! End of module BAS\$GETRFA PSECT SUMMARY Name Bytes Attributes _BAS\$CODE 80 NOVEC, NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC, ALIGN(2) **Library Statistics** ----- Symbols -----Processing Pages File Total Loaded Percent Mapped Time 9776 _\$255\$DUA28:[SYSLIB]STARLET.L32;1 3 581 0 00:01.0 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACE/LIS=LIS\$:BASGETRFA/OBJ=OBJ\$:BASGETRFA MSRC\$:BASGETRFA/UPDATE=(ENH\$:BASGETRFA 80 code + 0 data bytes 00:08.5 Size: Run Time: Elapsed Time: 00:20.3

Lines/CPU Min:

; Lexemes/CPU-Min: 43912 ; Memory Used: 115 pages ; Compilation Complete 0023 AH-BT13A-SE

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